

### **Level of Service**

The Level Of Service (LOS) is derived from the range of values of the volume/ capacity ratio (v/c). The v/c ratio is the ratio of demand flow rate (volume) to capacity for a traffic facility. The volume is the number of vehicles passing a point on a lane, roadway, or other trafficway during some time interval expressed in vehicles. The time interval used in developing the v/c ratios used in this report is equal to a day. The vehicles are expressed in Annual Average Daily Traffic (AADT). The capacity is the maximum rate of flow at which vehicles can reasonably be expected to traverse a point or uniform segment of a lane or roadway during a specified time period under prevailing roadway, traffic, and control conditions. Capacity is also expressed as AADT. The LOS is a qualitative measure describing operational conditions within a traffic stream generally described in terms of such factors as speed and travel time, freedom to maneuver, traffic interruptions, comfort and convenience, and safety. The v/c ratios, the LOS and the conditions they indicate are as follows:

V/C Ratio	LOS	Condition
0 - 0.20	A	Free flow
0.21 - 0.40	B	Free Flow with maneuverability slightly impeded
0.41 - 0.70	C	Stable flow maneuverability noticeably restricted
0.71 - 0.79	D	Stable flow, reduced speed maneuverability limited
0.80 - 0.95	E	Near capacity, speeds are low but relatively uniform
>0.96	F	Volume at or near capacity, speeds are significantly reduced.

# 1996 Level of Service on the State Highway System

